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SEQUENCE LISTING

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Gly Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg
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15 Phe Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg
180 185 190

20 Gly Ala Arg Cys Arg Asp Arg Val His Asp Phe Asp Cys Leu Cys Pro
195 200 205

25 Ser Gly Tyr Gly Gly Lys Thr Cys Glu Leu Val Ile Pro Val Pro Asp
210 215 220

30 Pro Pro Thr Thr Val Asp Thr Pro Leu Gly Pro Thr Ser Ala Val Val
225 230 235 240

35 Val Pro Ala Thr Gly Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu
245 250 255

Arg Ile Ser Val Lys Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly
260 265 270

40 Glu Pro Ser Leu Val Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala
275 280 285

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20	Val Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala Leu Val Leu Ala		
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	35	40	45
55	Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys		
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5 Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Gly Phe His Gly Arg Asp
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10 Cys Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys Arg
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40 Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg Phe Cys Thr Ile Asn
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65 Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu Arg Ile Ser Val Lys
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70 Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly Glu Pro Ser Leu Val
225 230 235 240

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His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys Asp Pro Gly Trp
15 20 25 30

15 Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro Gly Cys Gln His
35 40 45

20 Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His Ser Gly Trp Ala
50 55 60

25 Asp Glu His Ile Cys Thr Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln
65 70 75 80

30 Cys Met Tyr Asp Gly Gly Glu Tyr His Cys Val Cys Leu Pro Gly
85 90 95

35 Phe His Gly Arg Asp Cys Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala
100 105 110

40 Gly Ser Pro Cys Arg Asn Gly Gly Gln Cys Gln Asp Asp Gln Gly Phe
115 120 125

45 Ala Leu Asn Phe Thr Cys Arg Cys Leu Val Gly Phe Val Gly Ala Arg
130 135 140

50 Cys Glu Val Asn Val Asp Asp Cys Leu Met Arg Pro Cys Ala Asn Gly
145 150 155 160

55 Ala Thr Cys Leu Asp Gly Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu
165 170 175

Gly Phe Ala Gly Arg Phe Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser
180 185 190

Arg Pro Cys Gln Arg Gly Ala Arg Cys Arg Asp Arg Val His Asp Phe
195 200 205

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Asp Cys Leu Cys Pro Ser Gly Tyr Gly Gly Lys Thr Cys Glu Leu Val
210 215 220

5

Leu Pro Val Pro Asp Pro Pro Thr Thr Val Asp Thr Pro Leu Gly Pro
225 230 235 240

10

Thr Ser Ala Val Val Val Pro Ala Thr Gly Pro Ala Pro His Ser Ala
245 250 255

15

Gly Ala Gly Leu Leu Arg Ile Ser Val Lys Glu Val Val Arg Arg Gln
260 265 270

20

Glu Ala Gly Leu Gly Glu Pro Ser Leu Val Ala Leu Val Val Phe Gly
275 280 285

25

Ala Leu Thr Ala Ala Leu Val Leu Ala Thr Val Leu Leu Thr Leu Arg
290 295 300

30

Ala Trp Arg Arg Gly Val Cys Pro Pro Gly Pro Cys Cys Tyr Pro Ala
305 310 315 320

35

Pro His Tyr Ala Pro Ala Cys Gln Asp Gln Glu Cys Gln Val Ser Met
325 330 335

40

Leu Pro Ala Gly Leu Pro Leu Pro Arg Asp Leu Pro Pro Glu Pro Gly
340 345 350

Lys Thr Thr Ala Leu
355

45

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<211> 383
<212> PRT
<213> homo sapiens

<400> 10

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Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile
1 5 10 15

55

Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His
20 25 30

Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys

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	35	40	45
5	Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro		
	50	55	60
10	Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His		
	65	70	75
	80		
15	Ser Gly Trp Ala Asp Glu His Ile Cys Thr Thr Gln Ser Pro Cys Gln		
	85	90	95
20	Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly Glu Tyr His Cys Val		
	100	105	110
25	Cys Leu Pro Gly Phe His Gly Arg Asp Cys Glu Arg Lys Ala Gly Pro		
	115	120	125
30	Cys Glu Gln Ala Gly Ser Pro Cys Arg Asn Gly Gln Cys Gln Asp		
	130	135	140
35	Asp Gln Gly Phe Ala Leu Asn Phe Thr Cys Arg Cys Leu Val Gly Phe		
	145	150	155
	160		
40	Val Gly Ala Arg Cys Glu Val Asn Val Asp Asp Cys Leu Met Arg Pro		
	165	170	175
45	Cys Ala Asn Gly Ala Thr Cys Leu Asp Gly Ile Asn Arg Phe Ser Cys		
	180	185	190
50	Leu Cys Pro Glu Gly Phe Ala Gly Arg Phe Cys Thr Ile Asn Leu Asp		
	195	200	205
55	Asp Cys Ala Ser Arg Pro Cys Gln Arg Gly Ala Arg Cys Arg Asp Arg		
	210	215	220
	225	230	235
	240		
55	Val His Asp Phe Asp Cys Leu Cys Pro Ser Gly Tyr Gly Lys Thr		
	245	250	255
	260	265	270

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	Pro His Ser Ala Gly Ala Gly Leu Leu Arg Ile Ser Val Lys Glu Val		
	275	280	285
5	Val Arg Arg Gln Glu Ala Gly Leu Gly Glu Pro Ser Leu Val Ala Leu		
	290	295	300
10	Val Val Phe Gly Ala Leu Thr Ala Ala Leu Val Leu Ala Thr Val Leu		
	305	310	315
	320		
15	Leu Thr Leu Arg Ala Trp Arg Arg Gly Val Cys Pro Pro Gly Pro Cys		
	325	330	335
	Cys Tyr Pro Ala Pro His Tyr Ala Pro Ala Cys Gln Asp Gln Glu Cys		
	340	345	350
20	Gln Val Ser Met Leu Pro Ala Gly Leu Pro Leu Pro Arg Asp Leu Pro		
	355	360	365
25	Pro Glu Pro Gly Lys Thr Thr Ala Leu His His His His His His		
	370	375	380
30	<210> 11		
	<211> 420		
	<212> DNA		
	<213> homo sapiens		
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	<222> (1)...(402)		
40	<400> 11		
	atg ccc agc ggc tgc cgc tgc ctg cat ctc gtg tgc ctg ttg tgc att		48
	Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile		
	1 5 10 15		
45	ctg ggg gct ccc ggt cag cct gtc cga gcc gat gac tgc agc tcc cac		96
	Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His		
	20 25 30		
50	tgt gac ctg gcc cac ggc tgc tgt gca cct gac ggc tcc tgc agg tgt		144
	Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys		
	35 40 45		
	gac ccg ggc tgg gag ggg ctg cac tgt gag cgc tgt gtg agg atg cct		192
	Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro		
55	50 55 60		
	ggc tgc cag cac ggt acc tgc cac cag cca tgg cag tgc atc tgc cac		240
	Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His		

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	65	70	75	80	
	agt ggc tgg gca ggc aag ttc tgt gac aaa gat gaa cat atc tgt acc				288
	Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr				
5	85 90 95				
	acg cag tcc ccc tgc cag aat gga ggc cag tgc atg tat gac ggg ggc				336
	Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly				
	100 105 110				
10	ggt gag tac cat tgt gtg tgc tta cca ggc ttc cat ggg cgt gac tgc				384
	Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys				
	115 120 125				
15	gag cgc aag gct gga ccc caccatcacc atcaccat				420
	Glu Arg Lys Ala Gly Pro				
	130				
20	<210> 12				
	<211> 134				
	<212> PRT				
	<213> homo sapiens				
25	<400> 12				
	Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile				
	1	5	10	15	
30	Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His				
	20 25 30				
35	Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys				
	35 40 45				
40	Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro				
	50 55 60				
	Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His				
	65 70 75 80				
45	Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr				
	85 90 95				
50	Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly				
	100 105 110				
55	Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys				
	115 120 125				

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Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys
 35 40 45

5 Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro
 50 55 60

10 Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His
 65 70 75 80

15 Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr
 85 90 95

20 Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly
 100 105 110

25 Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys
 115 120 125

30 Glu Arg Lys Ala Gly Pro His His His His His His
 130 135 140

35 <210> 15
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40 <220>
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45 atg ccc agc ggc tgc cgc tgc ctg cat ctc gtg tgc ctg ttg tgc att
 Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile
 1 5 10 15

50 ctg ggg gct ccc ggt cag cct gtc cga gcc gat gac tgc agc tcc cac
 Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His
 20 25 30

55 tgt gac ctg gcc cac ggc tgc tgt gca cct gac ggc tcc tgc agg tgt
 Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys
 35 40 45

60 gac ccg ggc tgg gag ggg ctg cac tgt gag cgc tgt gtg agg atg cct
 Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro
 50 55 60

65 ggc tgc cag cac ggt acc tgc cac cag cca tgg cag tgc atc tgc cac
 Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His
 70 75 80

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	agt ggc tgg gca ggc aag ttc tgt gac aaa gat gaa cat atc tgt acc	288
	Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr	
	85 90 95	
5	acg cag tcc ccc tgc cag aat gga ggc cag tgc atg tat gac ggg ggc	336
	Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly	
	100 105 110	
10	ggt gag tac cat tgt gtg tgc tta cca ggc ttc cat ggg cgt gac tgc	384
	Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys	
	115 120 125	
15	gag cgc aag gct gga ccc tgt gaa cag gca ggc tcc cca tgc cgc aat	432
	Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys Arg Asn	
	130 135 140	
20	ggc ggg cag tgc cag gac gac cag ggc ttt gct ctc aac ttc acg tgc	480
	Gly Gly Gln Cys Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe Thr Cys	
	145 150 155 160	
	cgc tgc ttg gtg ggc ttt gtg ggt gcc cgc tgt gag gta aat gtg gat	528
	Arg Cys Leu Val Gly Phe Val Gly Ala Arg Cys Glu Val Asn Val Asp	
	165 170 175	
25	gac tgc ctg atg cgg cct tgt gct aac ggt gcc acc tgc ctt gac ggc	576
	Asp Cys Leu Met Arg Pro Cys Ala Asn Gly Ala Thr Cys Leu Asp Gly	
	180 185 190	
30	ata aac cgc ttc tcc tgc ctc tgt cct gag ggc ttt gct gga cgc ttc	624
	Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg Phe	
	195 200 205	
35	tgc acc atc aac ctg gat gac tgt gcc agc cgc cca tgc cag aga ggg	672
	Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg Gly	
	210 215 220	
40	gcc cgc tgt cgg gac cgt gtc cac gac ttc gac tgc ctc tgc ccc agt	720
	Ala Arg Cys Arg Asp Arg Val His Asp Phe Asp Cys Leu Cys Pro Ser	
	225 230 235 240	
	gac tat ggt ggc aag acc tgt gag ctt gtc tta cct gtc cca gac ccc	768
	Gly Tyr Gly Lys Thr Cys Glu Leu Val Leu Pro Val Pro Asp Pro	
	245 250 255	
45	cca acc aca gtg gac acc cct cta ggg ccc acc tca gct gta gtg gta	816
	Pro Thr Thr Val Asp Thr Pro Leu Gly Pro Thr Ser Ala Val Val Val	
	260 265 270	
50	cct gcc acg ggg cca gcc ccc cac agc gca ggg gct ggt ctg ctg cgg	864
	Pro Ala Thr Gly Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu Arg	
	275 280 285	
55	atc tca gtg aag gag gtg gtg cgg agg caa gag gct ggg cta ggt gag	912
	Ile Ser Val Lys Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly Glu	
	290 295 300	
	cct agc ttg gtg gcc ctg gtg ttt ggg gcc ctc act gct gcc ctg	960

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	Pro Ser Leu Val Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala Ieu		
	305 310 315 320		
5	gtt ctg gct act gtg ttg ctg acc ctg agg gcc tgg cgc cgg ggt gtc Val Leu Ala Thr Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly Val	1008	
	325 330 335		
10	tgc ccc cct gga ccc tgc tac cct gcc cca cac tat gct cca gcg Cys Pro Pro Gly Pro Cys Cys Tyr Pro Ala Pro His Tyr Ala Pro Ala	1056	
	340 345 350		
	tgc cag gac cag gag tgc cag gtt agc atg ctg cca gca ggg ctc ccc Cys Gln Asp Gln Glu Cys Gln Val Ser Met Leu Pro Ala Gly Leu Pro	1104	
	355 360 365		
15	ctg cca cgt gac ttg ccc cct gag cct gga aag acc aca gca ctg Leu Pro Arg Asp Leu Pro Pro Glu Pro Gly Lys Thr Thr Ala Leu	1149	
	370 375 380		
20	caccatcacc atcaccat	1167	
	<210> 16		
	<211> 383		
25	<212> PRT		
	<213> homo sapiens		
	<400> 16		
30	Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile		
	1 5 10 15		
35	Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His		
	20 25 30		
40	Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys		
	35 40 45		
	Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro		
	50 55 60		
45	Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His		
	65 70 75 80		
50	Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr		
	85 90 95		
55	Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly		
	100 105 110		
	Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys		

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	115	120	125
5	Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys Arg Asn		
	130	135	140
10	Gly Gly Gln Cys Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe Thr Cys		
	145	150	155
	Arg Cys Leu Val Gly Phe Val Gly Ala Arg Cys Glu Val Asn Val Asp		
	165	170	175
15	Asp Cys Leu Met Arg Pro Cys Ala Asn Gly Ala Thr Cys Leu Asp Gly		
	180	185	190
20	Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg Phe		
	195	200	205
25	Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg Gly		
	210	215	220
30	Ala Arg Cys Arg Asp Arg Val His Asp Phe Asp Cys Leu Cys Pro Ser		
	225	230	235
	240		
	Gly Tyr Gly Gly Lys Thr Cys Glu Leu Val Leu Pro Val Pro Asp Pro		
	245	250	255
35	Pro Thr Thr Val Asp Thr Pro Leu Gly Pro Thr Ser Ala Val Val Val		
	260	265	270
40	Pro Ala Thr Gly Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu Arg		
	275	280	285
45	Ile Ser Val Lys Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly Glu		
	290	295	300
50	Pro Ser Leu Val Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala Leu		
	305	310	315
	320		
	Val Leu Ala Thr Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly Val		
	325	330	335
55	Cys Pro Pro Gly Pro Cys Cys Tyr Pro Ala Pro His Tyr Ala Pro Ala		
	340	345	350

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Cys Gln Asp Gln Glu Cys Gln Val Ser Met Leu Pro Ala Gly Leu Pro
355 360 365

5 Leu Pro Arg Asp Leu Pro Pro Glu Pro Gly Lys Thr Thr Ala Leu
370 375 380

10 <210> 17
<211> 363
<212> PRT
<213> homo sapiens

15 <400> 17

Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His Cys Asp Leu Ala
1 5 10 15

20 His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys Asp Pro Gly Trp
20 25 30

25 Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro Gly Cys Gln His
35 40 45

30 Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His Ser Gly Trp Ala
50 55 60

35 Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr Thr Gln Ser Pro
65 70 75 80

40 Cys Gln Asn Gly Gln Cys Met Tyr Asp Gly Gly Glu Tyr His
85 90 95

45 Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys Arg Asn Gly Gln Cys
115 120 125

50 Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe Thr Cys Arg Cys Leu Val
130 135 140

55 Gly Phe Val Gly Ala Arg Cys Glu Val Asn Val Asp Asp Cys Leu Met
145 150 155 160

Arg Pro Cys Ala Asn Gly Ala Thr Cys Leu Asp Gly Ile Asn Arg Phe
165 170 175

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Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg Phe Cys Thr Ile Asn
 180 185 190
 5

Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg Gly Ala Arg Cys Arg
 195 200 205
 10

Asp Arg Val His Asp Phe Asp Cys Leu Cys Pro Ser Gly Tyr Gly Gly
 210 215 220
 15

Lys Thr Cys Glu Leu Val Leu Pro Val Pro Asp Pro Pro Thr Thr Val
 225 230 235 240
 20

Asp Thr Pro Leu Gly Pro Thr Ser Ala Val Val Val Pro Ala Thr Gly
 245 250 255
 25

Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu Arg Ile Ser Val Lys
 260 265 270
 30

Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly Glu Pro Ser Leu Val
 275 280 285
 35

Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala Leu Val Leu Ala Thr
 290 295 300
 40

Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly Val Cys Pro Pro Gly
 305 310 315 320
 45

Pro Cys Cys Tyr Pro Ala Pro His Tyr Ala Pro Ala Cys Gln Asp Gln
 325 330 335
 50

Glu Cys Gln Val Ser Met Leu Pro Ala Gly Leu Pro Leu Pro Arg Asp
 340 345 350
 55

Leu Pro Pro Glu Pro Gly Lys Thr Thr Ala Leu
 355 360
 <210> 18
 <211> 389
 <212> PRT
 <213> homo sapiens
 <400> 18

Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile

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	1	5	10	15												
5	Leu	Gly	Ala	Pro	Gly	Gln	Pro	Val	Arg	Ala	Asp	Asp	Cys	Ser	Ser	His
				20			25						30			
10	Cys	Asp	Leu	Ala	His	Gly	Cys	Cys	Ala	Pro	Asp	Gly	Ser	Cys	Arg	Cys
				35			40					45				
15	Asp	Pro	Gly	Trp	Glu	Gly	Leu	His	Cys	Glu	Arg	Cys	Val	Arg	Met	Pro
				50			55			60						
20	Gly	Cys	Gln	His	Gly	Thr	Cys	His	Gln	Pro	Trp	Gln	Cys	Ile	Cys	His
	65				70			75				80				
25	Ser	Gly	Trp	Ala	Gly	Lys	Phe	Cys	Asp	Lys	Asp	Glu	His	Ile	Cys	Thr
				85			90					95				
30	Thr	Gln	Ser	Pro	Cys	Gln	Asn	Gly	Gly	Gln	Cys	Met	Tyr	Asp	Gly	Gly
				100			105				110					
35	Gly	Glu	Tyr	His	Cys	Val	Cys	Leu	Pro	Gly	Phe	His	Gly	Arg	Asp	Cys
	115				120					125						
40	Glu	Arg	Lys	Ala	Gly	Pro	Cys	Glu	Gln	Ala	Gly	Ser	Pro	Cys	Arg	Asn
	130				135				140							
45	Gly	Gly	Gln	Cys	Gln	Asp	Asp	Gln	Gly	Phe	Ala	Leu	Asn	Phe	Thr	Cys
	145				150		.		155			160				
50	Ile	Asn	Arg	Phe	Ser	Cys	Leu	Cys	Pro	Glu	Gly	Phe	Ala	Gly	Arg	Phe
	195				200					205						
55	Cys	Thr	Ile	Asn	Leu	Asp	Asp	Cys	Ala	Ser	Arg	Pro	Cys	Gln	Arg	Gly
	210				215				220							
	225				230				235			240				

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Gly Tyr Gly Lys Thr Cys Glu Leu Val Leu Pro Val Pro Asp Pro
245 250 255

5 Pro Thr Thr Val Asp Thr Pro Leu Gly Pro Thr Ser Ala Val Val Val
260 265 270

10 Pro Ala Thr Gly Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu Arg
275 280 285

15 Ile Ser Val Lys Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly Glu
290 295 300

20 Pro Ser Leu Val Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala Leu
305 310 315 320

25 Val Leu Ala Thr Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly Val
325 330 335

30 Cys Pro Pro Gly Pro Cys Cys Tyr Pro Ala Pro His Tyr Ala Pro Ala
340 345 350

35 Leu Pro Arg Asp Leu Pro Pro Glu Pro Gly Lys Thr Thr Ala Leu His
370 375 380

40 His His His His His
385